

METHOD AND APPARATUS FOR DETECTION
OF FLUORESCENTLY LABELED MATERIALS

ABSTRACT OF THE DISCLOSURE

5 Fluorescently marked targets bind to a substrate 230
synthesized with polymer sequences at known locations. The
targets are detected by exposing selected regions of the
substrate 230 to light from a light source 100 and detecting
the photons from the light fluoresced therefrom, and repeating
10 the steps of exposure and detection until the substrate 230 is
completely examined. The resulting data can be used to
determine binding affinity of the targets to specific polymer
sequences.